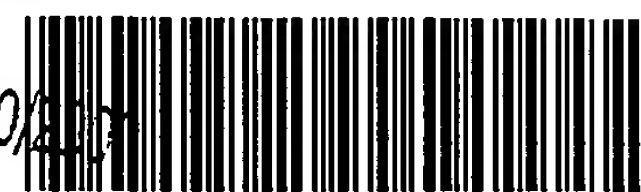


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SEP-24 2003

TECH CENTER 1600/100



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/138,091A

DATE: 09/22/2003

TIME: 15:39:57

Input Set : A:\9491-013-27.ST25.txt

Output Set: N:\CRF4\09222003\I138091A.raw

4 <110> APPLICANT: Adams, Camellia W.
 5 Carter, Paul J.
 6 Fendly, Brian M.
 7 Gurney, Austin L.
 9 <120> TITLE OF INVENTION: Agonist Antibodies
 11 <130> FILE REFERENCE: 9491-013-27
 13 <140> CURRENT APPLICATION NUMBER: US 09/138,091A
 14 <141> CURRENT FILING DATE: 1998-08-21
 16 <150> PRIOR APPLICATION NUMBER: US 60/056,736
 17 <151> PRIOR FILING DATE: 1997-08-22
 19 <160> NUMBER OF SEQ ID NOS: 77
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 15
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 29 acc tct tgg atc ggc
 30 Thr Ser Trp Ile Gly
 31 1 5
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 5
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Homo sapiens
 38 <400> SEQUENCE: 2
 39 Thr Ser Trp Ile Gly
 40 1 5
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 66
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 3
 48 atc atg tat cct ggg aac tct gat acc aga cac aac
 49 Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn
 50 1 5 10
 52 ccg tcc ttc gaa gac cag gtc acc atg tca
 53 Pro Ser Phe Glu Asp Gln Val Thr Met Ser
 54 15 20 22
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 22
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 61 <400> SEQUENCE: 4

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15

ENTERED

36

66

RAW SEQUENCE LISTING

DATE: 09/22/2003

PATENT APPLICATION: US/09/138,091A

TIME: 15:39:57

Input Set : A:\9491-013-27.ST25.txt

Output Set: N:\CRF4\09222003\I138091A.raw

```

62 Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn Pro Ser Phe
63   1               5               10               15
65 Glu Asp Gln Val Thr Met Ser
66               20
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 30
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 5
74 gct ggg gtc gcg ggc ggt gct ttt gat ctc               30
75 Ala Gly Val Ala Gly Gly Ala Phe Asp Leu
76   1               5               10
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 10
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 6
84 Ala Gly Val Ala Gly Gly Ala Phe Asp Leu
85   1               5               10
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 42
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 7
93 act gga acc agc agt ggc gtt ggt ggt tat aac tat       36
94 Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr
95   1               5               10
97 gtc tcc                                               42
98 Val Ser
99   14
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 14
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 8
107 Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr Val Ser
108   1               5               10
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 21
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 9
116 ggt aac agc aat cgg ccc tca               21
117 Gly Asn Ser Asn Arg Pro Ser
118   1               5               7
120 <210> SEQ ID NO: 10
121 <211> LENGTH: 7
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING

DATE: 09/22/2003

PATENT APPLICATION: US/09/138,091A

TIME: 15:39:57

Input Set : A:\9491-013-27.ST25.txt

Output Set: N:\CRF4\09222003\I138091A.raw

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125 <400> SEQUENCE: 10
126 Gly Asn Ser Asn Arg Pro Ser
127   1           5
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 30
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 11
135 agc aca tat gca ccc ccc ggt att att atg           30
136 Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met
137   1           5           10
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 10
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 12
145 Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met
146   1           5           10
148 <210> SEQ ID NO: 13
149 <211> LENGTH: 15
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 13
154 gac tac tac atg agc           15
155 Asp Tyr Tyr Met Ser
156   1           5
158 <210> SEQ ID NO: 14
159 <211> LENGTH: 5
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 14
164 Asp Tyr Tyr Met Ser
165   1           5
167 <210> SEQ ID NO: 15
168 <211> LENGTH: 66
169 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 15
173 tac att agt agt agt ggt agt acc ata tac tac gca           36
174 Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala
175   1           5           10
177 gac tct gtg aag ggc cga ttc acc atc tcc           66
178 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
179   15           20           22
181 <210> SEQ ID NO: 16
182 <211> LENGTH: 22
183 <212> TYPE: PRT
184 <213> ORGANISM: Homo sapiens
186 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING

DATE: 09/22/2003

PATENT APPLICATION: US/09/138,091A

TIME: 15:39:57

Input Set : A:\9491-013-27.ST25.txt

Output Set: N:\CRF4\09222003\I138091A.raw

```

187 Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
188 1 5 10 15
190 Lys Gly Arg Phe Thr Ile Ser
191 20
193 <210> SEQ ID NO: 17
194 <211> LENGTH: 27
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 17
199 tgg agt ggt gag gat gct ttt gat atc 27
200 Trp Ser Gly Glu Asp Ala Phe Asp Ile
201 1 5 9
203 <210> SEQ ID NO: 18
204 <211> LENGTH: 9
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 18
209 Trp Ser Gly Glu Asp Ala Phe Asp Ile
210 1 5
212 <210> SEQ ID NO: 19
213 <211> LENGTH: 33
214 <212> TYPE: DNA
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 19
218 cgg gcc agt gag ggt att tat cac tgg ttg gcc 33
219 Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala
220 1 5 10
222 <210> SEQ ID NO: 20
223 <211> LENGTH: 11
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 20
228 Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala
229 1 5 10
231 <210> SEQ ID NO: 21
232 <211> LENGTH: 21
233 <212> TYPE: DNA
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 21
237 aag gcc tct agt tta gcc agt 21
238 Lys Ala Ser Ser Leu Ala Ser
239 1 5
241 <210> SEQ ID NO: 22
242 <211> LENGTH: 7
243 <212> TYPE: PRT
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 22
247 Lys Ala Ser Ser Leu Ala Ser
248 1 5

```

RAW SEQUENCE LISTING

DATE: 09/22/2003

PATENT APPLICATION: US/09/138,091A

TIME: 15:39:57

Input Set : A:\9491-013-27.ST25.txt

Output Set: N:\CRF4\09222003\I138091A.raw

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250 <210> SEQ ID NO: 23
251 <211> LENGTH: 27
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 23
256 caa caa tat agt aat tat ccg ctc act
257 Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
258 1 5
260 <210> SEQ ID NO: 24
261 <211> LENGTH: 9
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 24
266 Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
267 1 5
269 <210> SEQ ID NO: 25
270 <211> LENGTH: 15
271 <212> TYPE: DNA
272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 25
275 acc tac ggc atg cac
276 Thr Tyr Gly Met His
277 1 5
279 <210> SEQ ID NO: 26
280 <211> LENGTH: 5
281 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 26
285 Thr Tyr Gly Met His
286 1 5
288 <210> SEQ ID NO: 27
289 <211> LENGTH: 66
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 27
294 ggt ata tcc ttt gac gga aga agt gaa tac tat gca
295 Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala
296 1 5 10
298 gac tcc gtg aag ggc cga ttc acc atc tcc
299 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
300 15 20
302 <210> SEQ ID NO: 28
303 <211> LENGTH: 22
304 <212> TYPE: PRT
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 28
308 Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala Asp Ser Val
309 1 5 10 15
311 Lys Gly Arg Phe Thr Ile Ser

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/138,091A

DATE: 09/22/2003
TIME: 15:39:58

Input Set : A:\9491-013-27.ST25.txt
Output Set: N:\CRF4\09222003\I138091A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:76; Xaa Pos. 208